

**Ancillary Services**

<b>Folsom Ancillary Services</b>	
Spinning Reserve	Yes
Non-Spinning Reserve	Yes
Replacement Reserve	Yes
Regulation/Load Following	Yes
Black Start	Yes
Voltage Support	Yes

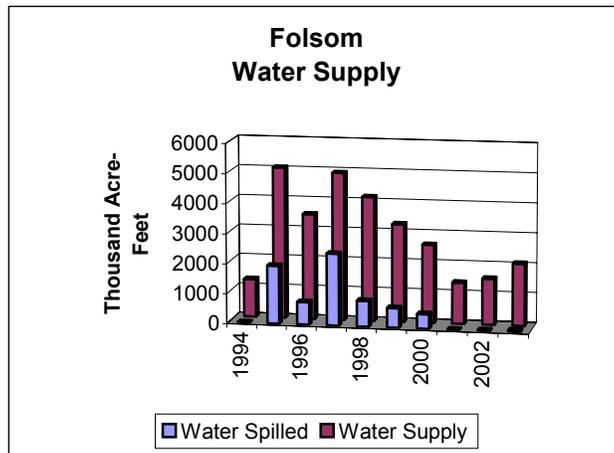
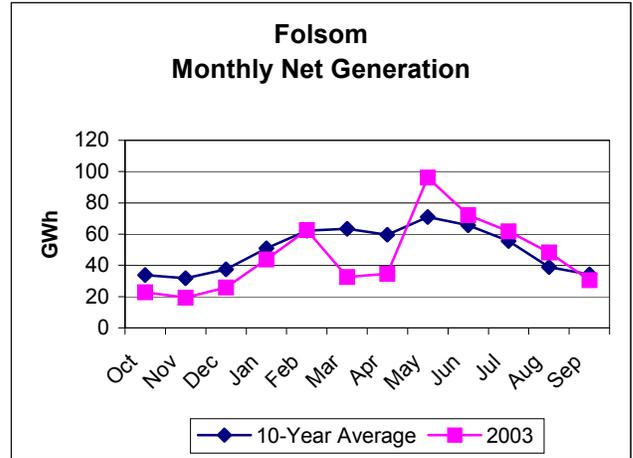
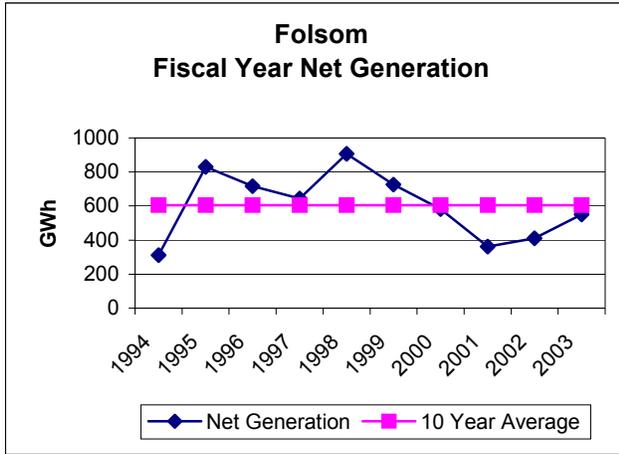
**Generators**

<b>Folsom Generators</b>			
Existing Number and Capacity			
Unit #	Original Capacity (kW)	Capacity Increased (kW)	Present Capacity (kW)
1	54,000	12,240	66,240
2	54,000	12,240	66,240
3	54,000	12,240	66,240
3 Units	162,000	36,720	198,720

The maximum operational capacity is 210,000 kW

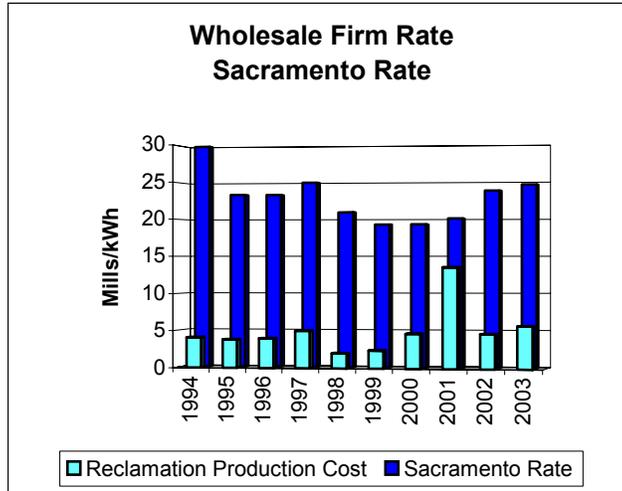
**Folsom Powerplant  
100-500 MW**

**Generation**

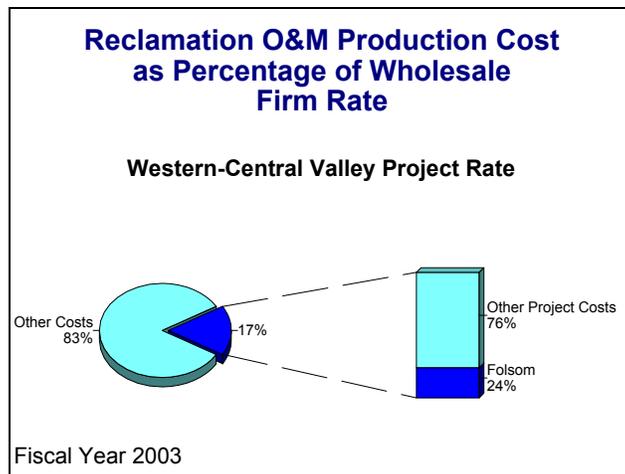


**Prime Laboratory Benchmarks**

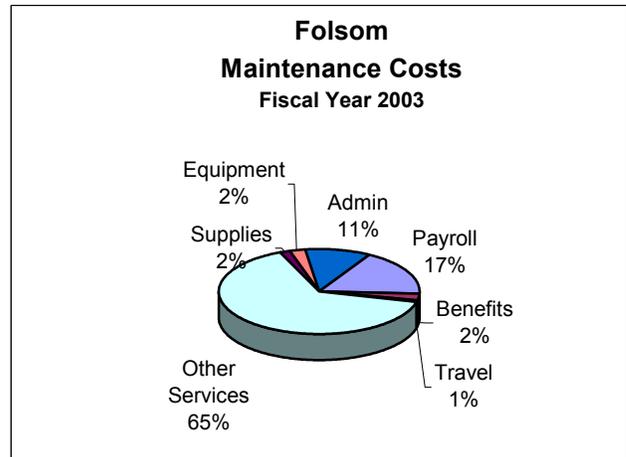
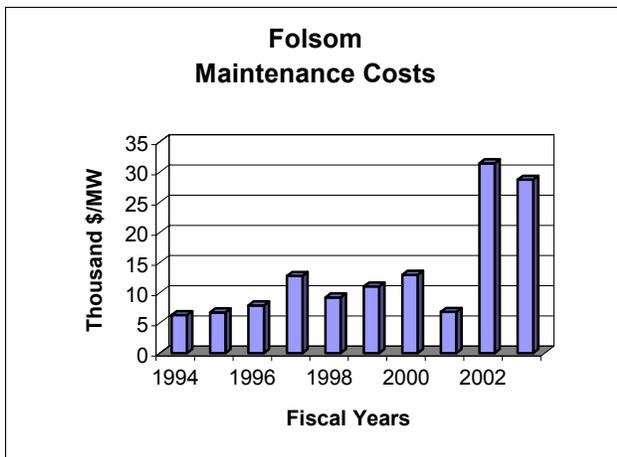
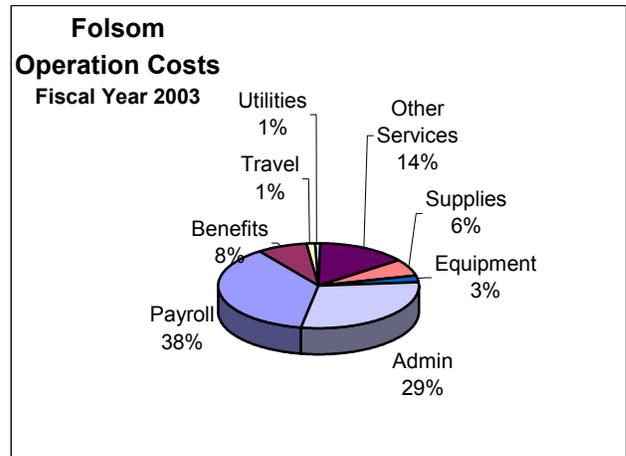
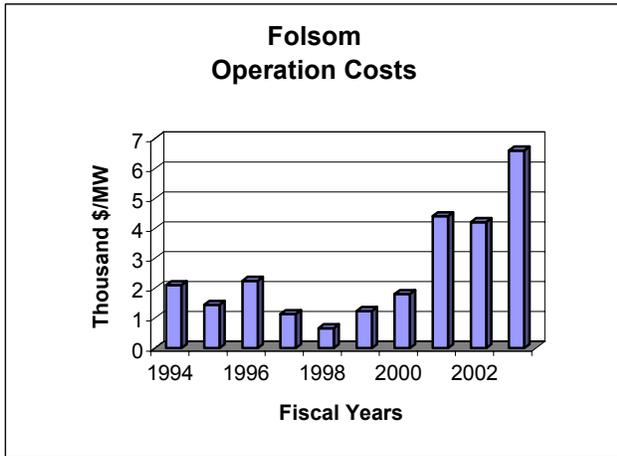
**Benchmark 1  
Wholesale Firm Rate**



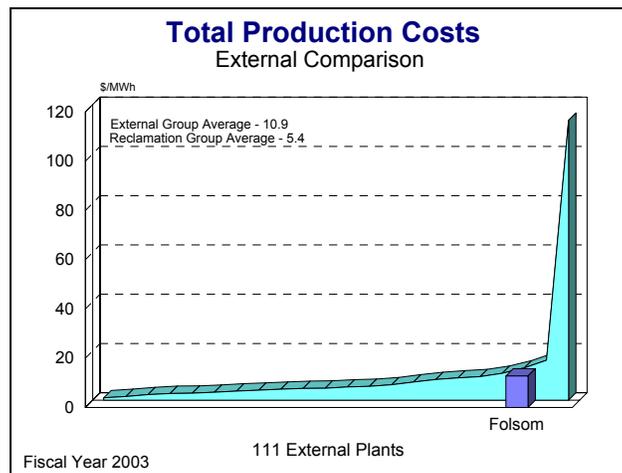
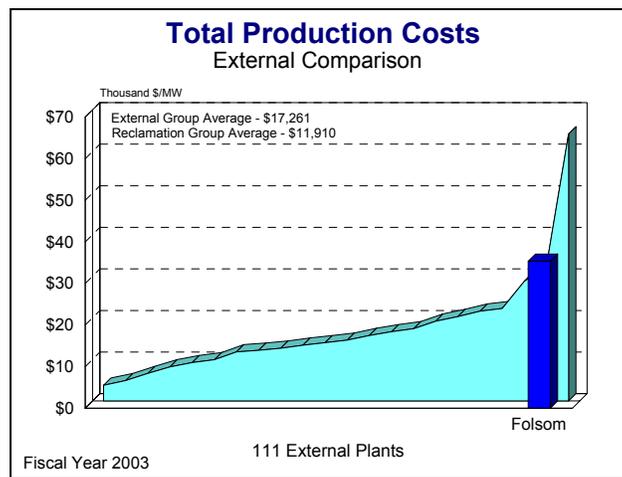
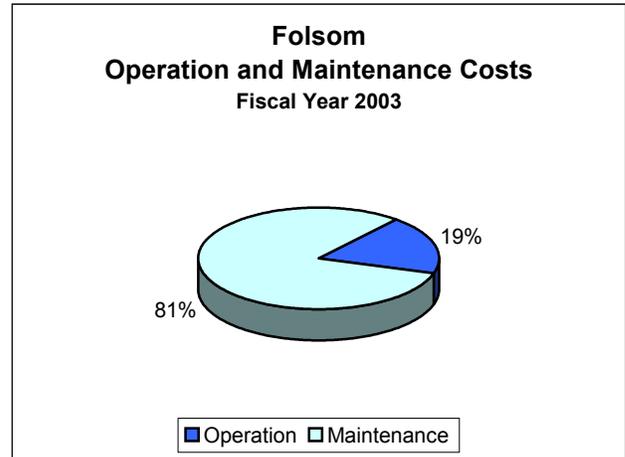
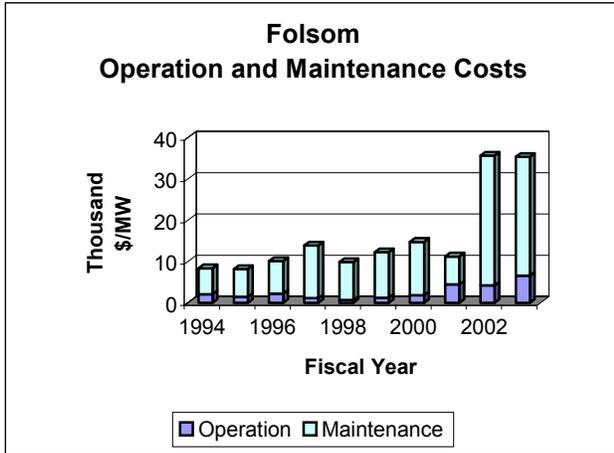
**Benchmark 2  
Reclamation's Production Cost as Percentage of Wholesale Firm Rate**



**Benchmark 3  
Production Cost**

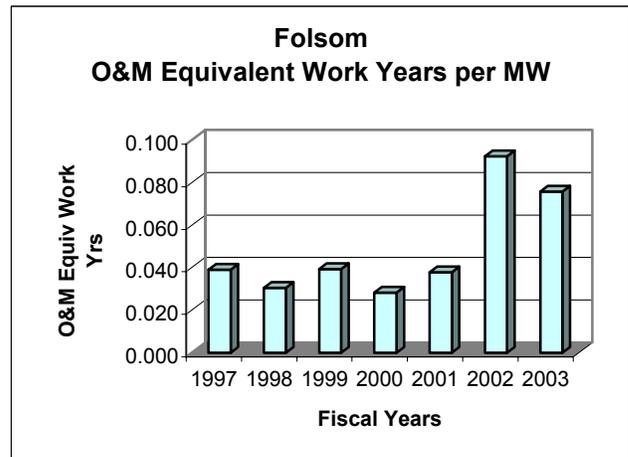
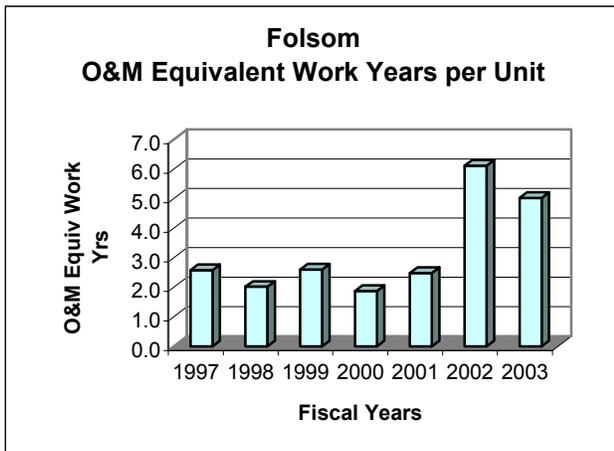
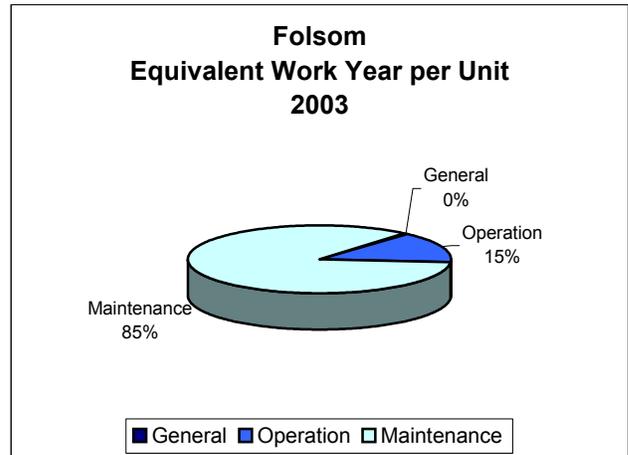
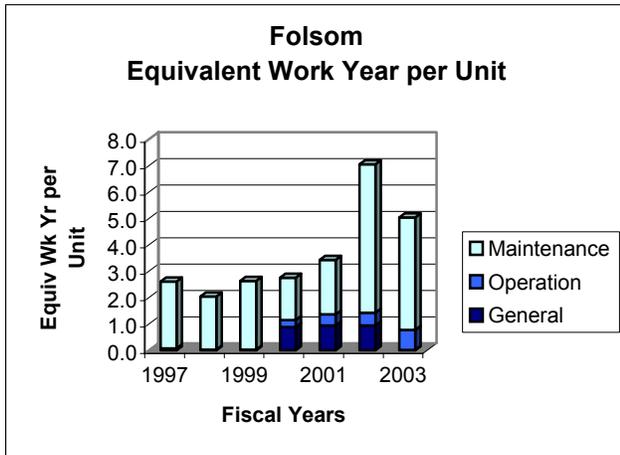


**Benchmark 3  
Production Cost**

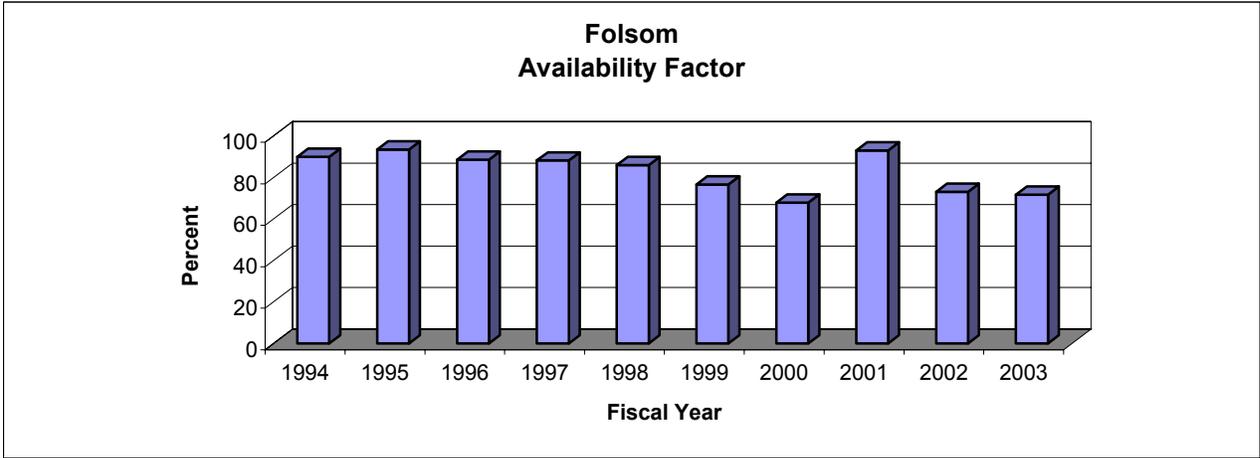


**Benchmark 4  
Workforce Deployment**

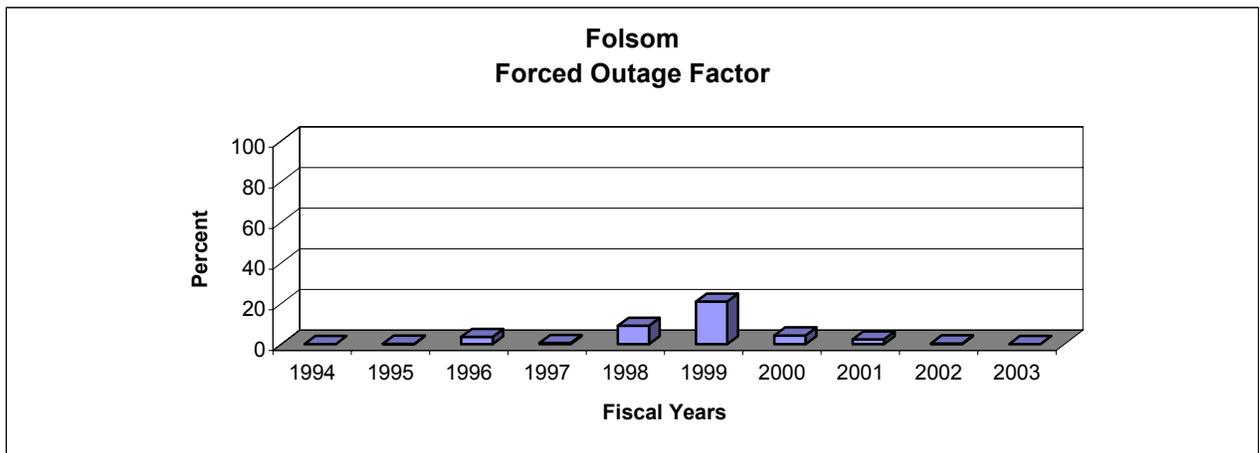
<b>Folsom 2003 Equivalent Work Year Levels</b>						
	Equiv Work Year Charged to Powerplant	Leave Additive	Denver and Washington Equiv Work Year Additive	Total Equiv Work Year Allocated to Powerplant	Total Equiv Work year per Generating Unit	Total Equiv Work Year per Megawatt
General	0	0	0.07	0.07	0.02	0
Operation	2.01	0.23	0	2.25	0.75	0.011
Maintenance	11.47	1.33	0	12.8	4.27	0.064
<b>Total Staffing</b>	<b>13.48</b>	<b>1.57</b>	<b>0.07</b>	<b>15.12</b>	<b>5.04</b>	<b>0.08</b>



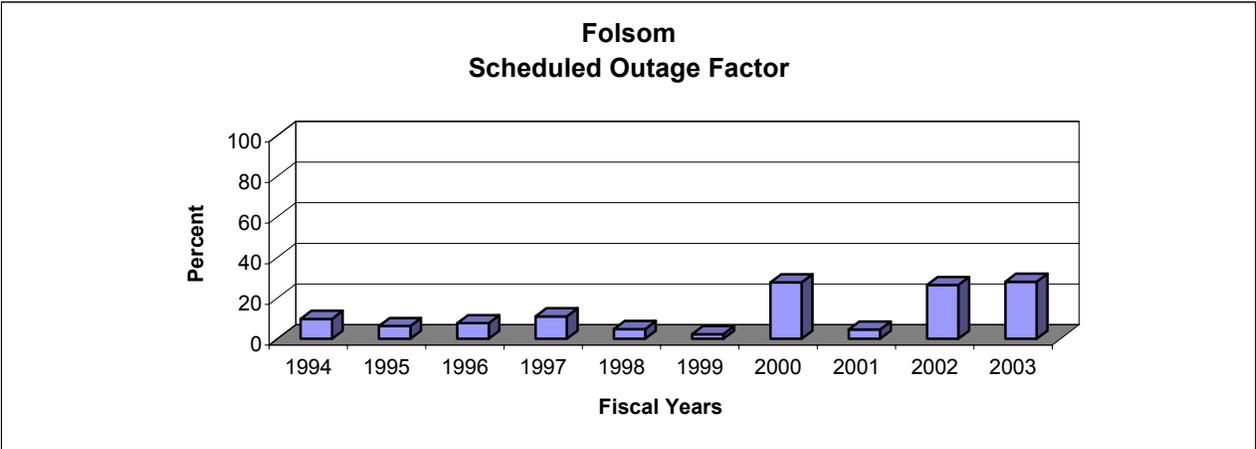
**Benchmark 5  
Availability Factor**



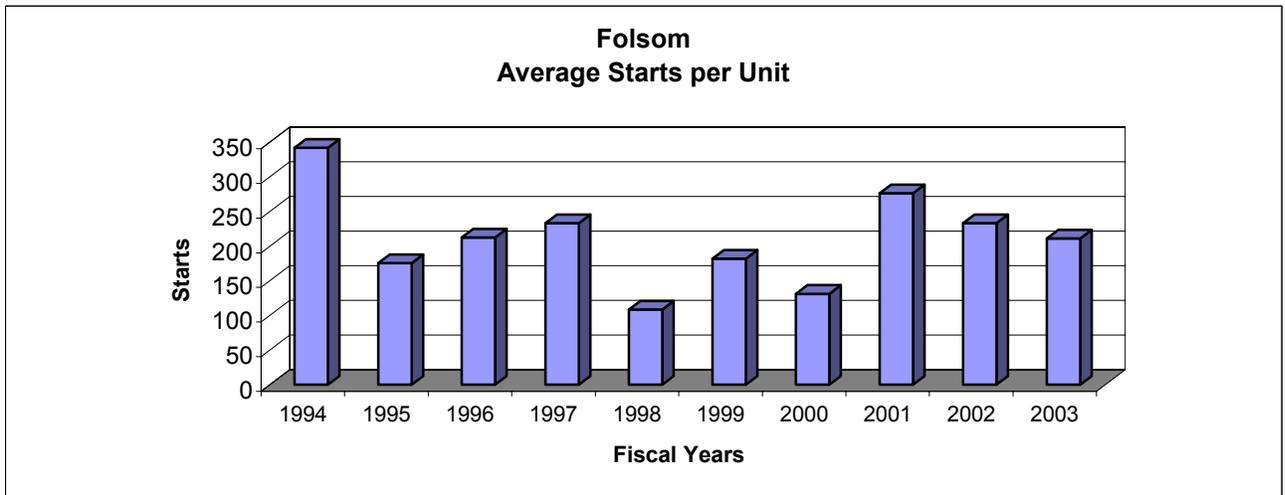
**Benchmark 6  
Forced Outage Factor**



**Benchmark 7  
Scheduled Outage Factor**



**Starts**



## Benchmark Data Comparison

Fiscal Year 2003	Folsom Powerplant	Reclamation Average 100-500 MW Group	Total Reclamation Average	Industry Average	Best Performers
Wholesale Firm Rate Mills/kWh	24.6	Not Applicable	*23.1	Not Available	Not Available
Production Cost as Percentage of Wholesale Firm Rate	4.1%	Not Applicable	12.0%	Not Applicable	Not Applicable
O&M Cost \$/MWh	12.8	4.5	2.7	10.9	1.1
O&M Costs \$/MW	35,338	10,924	7,315	17,261	3,108
O&M Equip Work Year per MW	0.1	0.1	0.04	Not Available	0.01
Availability Factor	71.8	87.6	83.6	**88.9	99.1
Forced Outage Factor	0.1	0.8	1.5	**2.4	0.0
Scheduled Outage Factor	28.1	11.7	14.9	**8.7	0.0

\*Weighted by Net Generation  
\*\*2002 NERC Average